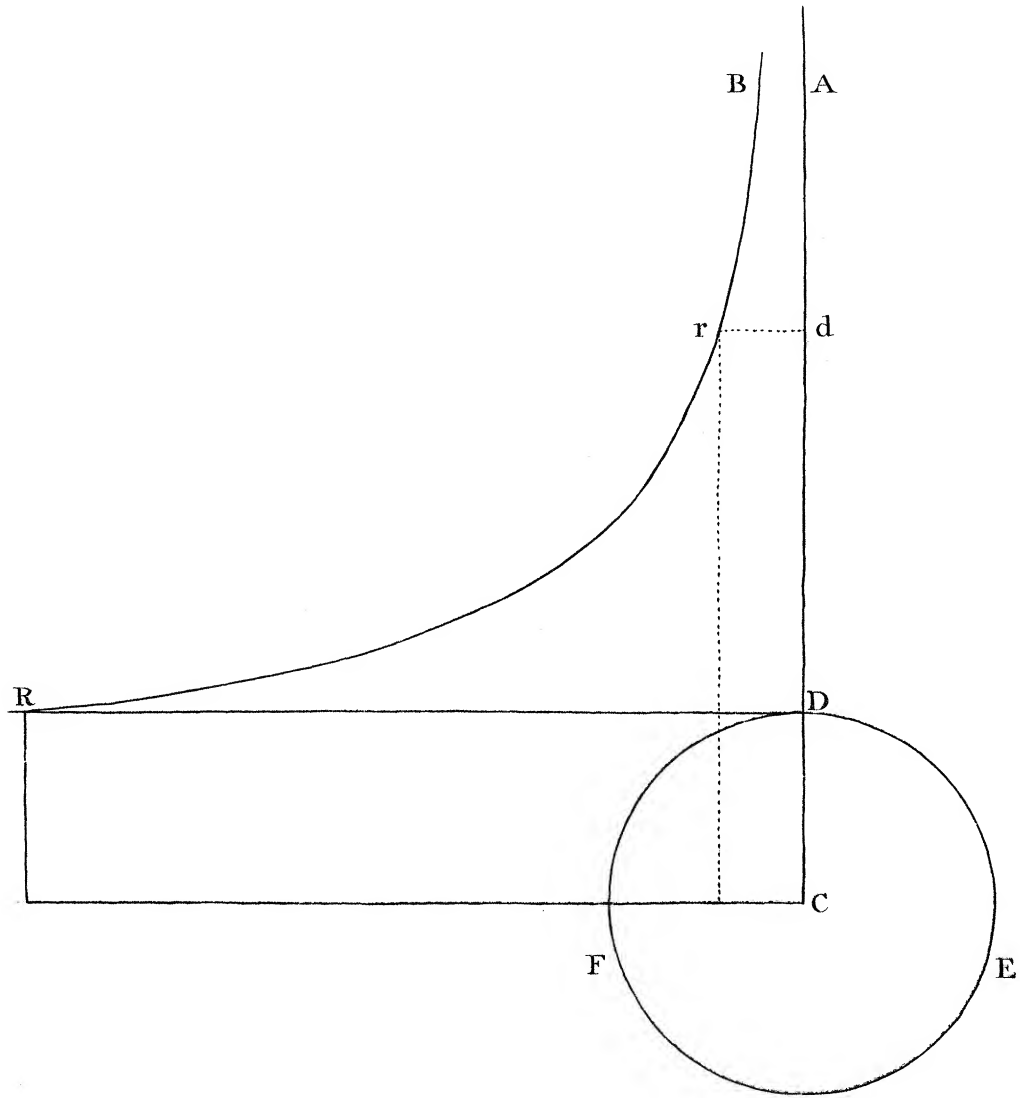
VIII. *A Meteorological Journal for the Year* 1782, *kept at* Minehead, *in* Somerſetſhire. *By Mr.* John Atkins; *communicated by Sir* Joſeph Banks, *Bart. P. R. S.*

Read January 15, 1784.

SIR, Minehead, March 27, 1783.

THE numberleſs philoſophical diſcoveries and meteorological journals which I find have been addreſſed to you, as being a gentleman whoſe great abilities have raiſed you to the higheſt pitch of grandeur in the philoſophical world, and which, I find, have been treated with the greateſt candour and reſpect, and publiſhed under your direction for the improvement of ſcientific knowledge, make me preſume (though an unknown, and even unheard of, individual) to direct this journal to you, not boaſting, but rather doubting, of its being worthy of your reception; but my having found ſo great a difference between the laſt year and ſeveral preceding years, in the variations of the atmoſphere, both barometrical and thermometrical, induced me to communicate it to other obſervers through your approbation.

I am, &c.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THE inſtruments are kept at a houſe about thirty feet above high water in the Briſtol Channel. The barometer is made after DE LUC's method; and to obſerve the moſt minute alteration I have divided it into the one-ſixteenth of a line, or 192 parts in an inch. The thermometer is a mercurial one, graduated according to FAHRENHEIT's ſcale, as being the moſt univerſal, though, I think, a partial one, and placed in the open air in a northern aſpect. An hygrometer I have likewiſe kept in the open air; but being an inſtrument that does not admit of, as I ever heard of, a certain baſis, whereon to fix the fundamental point between the greateſt moiſture and greateſt drought, and therefore of little uſe to diſtant obſervers, I have omitted theſe obſervations. For the eaſe of correſpondent obſervers, I have drawn two columns of the barometer; the firſt divided into 192d parts of an inch; the ſecond into 100th parts. The figures in the column of winds denote its ſtrength from 0 to 90 degrees of a quadrant. And the moſt prevailing winds are from north to weſt, being generally in thoſe directions two-thirds of the year, occaſioned, as I imagine, by the indraught of the Briſtol Channel. The barometer this year has taken a greater range than ever I found theſe ſeveral years, being 2.44 inches. The thermometer likewiſe from 21° to 81°; and the three rainy months of October, November, and December, there fell very little more rain than fell in the month of Auguſt alone, which is very uncommon in this part of the kingdom. On the ninth of February an odd phænomenon appeared to me about 10 miles from hence, on my journey to Tiverton. I obſerved an halo, exactly ſimilar to that of the ſun, the center of the arch about 15° high, and both ends terminated in a field of ſnow; but as rainbows are ſeen only with the ſun behind one's back, this, on the contrary, was between me and the ſun.

January 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	8	Hard rain.	SW 25		29. 96	29.50	50	
1	12				29.100	29.52	52	
	9		W 20		29.104	29.54	50	0.55
	8	Rain.	W 30		29. 16	29. 9	48	
2	12				29.120	29.63	50	
	9				29.128	29.67	50	0.16
	8	Fair.	WNW 35		29.120	29.63	48	
3	12	Some ſhowers.			29.140	29.73	50	
	9				29.152	29.79	48	
	8	Foggy, rain.	WNW 10		29.160	29.84	50	
4	12				29.140	29.73	54	
	9				29.128	29.67	49	0.17
	8	Showers.	WNW 27		29.132	29.69	50	
5	12				29.150	29.78	51	
	9				29.170	29.89	50	0.25
	8	Fair.	WNW 22		29.184	29.94	46	
6	12	Cloudy.			30. 0	30. 0	50	
	9				30. 0	30. 0	49	
	8	Hard ſhowers.	NW 40		29.112	29.59	45	
7	12				29.120	29.63	50	
	9	Stormy, hail ſhowers.	70		29.128	29.67	42	
	8	Fair.	WSW 20		29.158	29.83	44	
8	12	Showers.			29.150	29.78	50	
	9				29.128	29 67	48	0.50
	8	Rain.	S 40		29. 0	29. 0	50	
9	12		WNW 50		28.168	28.88	40	
	9	Very ſtormy.	NW 80		29. 40	29.21	38	

January 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	8	Very ſtormy.	NWbyW 80		29.128	29.67	37	
10	12				29.180	29.94	40	0.49
	9	Freezing hard.			30. 48	30.25	35	
	8	Hard froſt and fair.	NW 0		30. 48	30.25	29	
11	12				30. 48	30.25	32	
	9				30. 48	30.25	35	
	8	Foggy rain.	NW 10		30. 40	30.21	45	
12	11				30. 40	30.21	48	
	9				30. 64	30.33	49	
	8	Cloudy.	WNW 0		30. 70	30.37	47	
13	12	Foggy rain.			30. 70	30.37	51	
	9				30. 67	30.35	50	
	8	Fair.	S by W 15		30. 56	30.29	45	
14	12				30. 40	30.21	50	
	9				30. 24	30.13	41	
	8	Froſty, but foggy.	NNW 35		30. 20	30.11	40	
15	12				30. 28	30.15	44	
	9				30. 16	30. 9	44	
	8	Small rain.	WNW 10		29.128	29.67	47	
16	12				29.106	29.55	50	
	9	Stormy, hail ſhowers.	NW 75		29. 80	29.42	42	
	8	Stormy, but dry.	NW 70		29. 88	29.46	39	
17	12				29. 96	29.50	43	
	9				29.112	29.59	45	
	8	Fair.	SW 20		29.118	29.61	48	
18	12	Some ſmall rain.			29.126	29.66	48	
	9				29.144	29.75	45	

January 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	8	Cloudy.	WNW 15		29.140	29.73	45	
19	12	Fair and mild.			29.140	29.73	51	
	9	Some ſhowers.			29.130	29.68	46	
	8	Very hard rain.	W 60		29. 90	29.47	50	
20	12				29. 80	29.42	52	
	9				29. 86	29.45	48	0.66
	8	Froſt.	WNW 10		29.140	29.73	38	
21	12	Some rain, but ſnow on the hills.			29.168	29.88	45	
	9				30. 0	30. 0	48	
	8	Flying clouds, with ſome ſhowers.	W 60		29.180	29.94	51	
22	12				29.180	29.94	51	
	9	Cloudy and mild.			29.180	29.94	50	
	8	Fair and mild.	W 60		29.184	29.96	50	
23	12				29.180	29.94	51	
	9				29.176	29.92	50	
	8	Fair, with hard winds, but very mild.	W 70		29.120	29.63	50	
24	12				29.112	29.59	55	
	9	Calm, with rain.	NW 10		29.116	29.61	49	
	8	Stormy, hail ſhowers.	NW 75		29 120	29.63	36	
25	12				29.130	29.68	39	
	9	Rain.	WNW 60		29.100	29.52	44	
	8	Fair.	NW 60		29 116	29.61	39	
26	12	Hail ſhowers.			29.110	29.57	41	
	9	Stormy, hard rain.	70		29.100	29.52	40	
	8	Stormy, hail and rain.	N by W 60		29. 48	29.25	38	0.93
27	12				29. 40	29.21	42	
	9		75		29. 48	29.25	40	

January 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Therm.	Rain.
					Inches.	Inches.	°	Inch.
	8	Stormy, ſhowers.	NWbyW 80		29. 32	29.17	40	
28	12				29. 16	29. 9	45	
	9	Calmer, with hail in the night.	20		29. 16	29. 9	40	0.23
	8	Fair and cold.	W 20		28.176	28.92	33	
	12	Fair.	NW		28.160	28.84	41	
29	5		SW		28.154	28.81		
	9	Cloudy.	NE	SW	29. 0	29. 0	37	
	8	Cloudy, but ſnow on the diſtant hills.	NE 20		29. 64	29.34	37	
30	12	Fair.			29.112	29.59	40	
	9	Freezing hard.			29.168	29.88	35	
	8	Froſt.	NE 15		30. 16	30. 9	33	
31	12				30. 16	30. 9	37	
	9				30. 16	30. 9	32	
						Total rain		3.94

February 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
1	7	Very hard froſt.	W 0		30. 0	30. 0	27	
	12	Fair.	SW 20		29.180	29.94	34	
	9	Sleet.			29.160	29.84	37	
2	7	Rain.	SW 30		29.130	29.68	40	
	12				29.120	29.63	42	
	9	Fair.			29.112	29.59	38	
3	7	Froſt.	S by E 20	SW	29. 96	29.50	35	
	12	Sleet.	SW		29. 84	29.44	37	
	9				29. 80	29.42	37	
4	7	Fair.	W 0		29. 80	29.42	37	
	12				29. 88	29.46	38	
	9	Snow on the hills.	NE 20		29. 60	29.31	37	
5	7	Cloudy day.	NE 40		29. 12	29. 6	33	0.63
	12				29. 20	29.11	35	
	9				29. 96	29.50	35	
6	7	Fair, froſt.	NE 20		29.140	29.73	35	
	12				29.160	29.84	37	
	9		W 0		29.168	29.88	37	
7	7	Fair, hard froſt.	W 0	ENE	29.170	29.89	29	
	12				29.172	29.90	35	
	9		NE 10		29.180	29.94	35	
8	7	Fair, froſt.	NE 0		29.180	29.94	34	
	12				29.180	29.94	37	
	9				29.186	29 97	33	
9	7	Fair, very hard froſt; an extraordinary halo.	NE 10		29.182	29.95	27	
	12	Cloudy.			29.180	29.94	33	
	9				29.180	29.94	33	

February 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	7	Cloudy, hard froſt.	NE 15		29.180	29.94	29	
10	12	Fair.			29.180	29.94	35	
	9				29.180	29.94	36	
	7	Fair, hard froſt.	ENE 20		29.184	29.96	30	
11	12				29.168	29.88	35	
	9	Cloudy.	55		29.160	29.84	34	
	7	Cloudy, hard froſt.	E 50		29.170	29.89	31	
12	12	Fair.			29.186	29.97	33	
	9	Cloudy.			30. 0	30. 0	29	
	7	Fair, very hard froſt.	WNW 10	NE	30. 4	30. 2	27	
13	12	Cloudy.	NW		29.184	29.96	38	
	9		N	NNE	29.184	29.96	36	
	7	Cloudy, froſt.	E 20		29.176	29.92	36	
14	12	Thawing.			29.180	29.94	40	
	9				29.184	29.94	37	
	7	Cloudy.	E 10		29.184	29.96	37	
15	12	Sleet.			30. 0	30. 0	38	
	9	Fair, freezing.	60		30. 30	30.16	32	
	7	Exceſſive froſt.	E 30		30. 40	30 21	24	
16	12	Fair.			30. 40	30.21	28	
	9	Cloudy.			30. 40	30.21	30	
	7	Cloudy and thawing.	ENE 15		30. 50	30.26	34	
17	12				30. 50	30.26	36	
	9	Fair, freezing.			30. 50	30.26	32	
	7	Fair, exceſſive froſt.	W 5	E	3. 64	30.33	21	
18	12	Much milder.	S		30 64	30.33	37	
	9	Cloudy.	SE		30. 60	30.31	37	

February 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
19	7	Cloudy, a little froſt.	E 10		30. 60	30.31	35	
	12				30. 57	30.30	37	
	9				30. 48	30.25	37	
20	7	Cloudy.	W 10		30. 40	30.21	34	
	12				30. 40	30.21	39	
	9		WNW		29.180	29.94	37	
21	7	Fair.	S by W 0		29.160	29.84	37	
	12				29.144	29.75	41	
	9	Rain.			29. 32	29.17	40	
22	7	Fair.	W 30		29. 48	29.25	41	
	12				29. 40	29.21	44	
	9	Cloudy.			29. 32	29.17	40	
23	7	Hard rain and wind.	S 80		29. 0	29. 0	46	
	12				28.168	28.88	49	
	4				28.160	28.84		
	9		WNW 40		28.170	28.89	46	
24	7	Fair.	WNW 30		29. 30	29.16	45	0.67
	12				29.100	29.52	47	
	9	Rain in the night.			29.168	29.88	40	
25	7	Fair.	W by N 35		29.172	29.90	45	
	12				30. 12	30. 6	48	
	9				30. 0	30. 0	47	
26	7	Small ſhowers.	W 75		29.186	29.97	48	
	12	Fair and mild.			30. 0	30. 0	61	0.24
	9				30. 0	30. 0	57	
27	7	Cloudy.	S 5		29.180	29.94	50	
	12				29.180	29.94	52	
	9	Fair.			29.184	29.96	45	

February 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	7	Fair.	W 25		30. 40	30.21	45	
28	12				30. 48	30.25	48	
	9				30. 32	30.17	44	
						Total rain		1.54

March 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Fair.	W 10		30. 0	30. 0	42	
1	12				29.186	29.97	45	
	9		40		29.174	29.91	40	
	6	Fair.	WNW 15		29.170	29.89	38	
2	12				29.176	29.92	48	
	9	Cloudy.	NW		29.180	29 94	40	
	6	Fair, white froſt.	NW 0		29.186	29.97	39	
3	12				30. 0	30. 0	47	
	9		20		30. 16	30. 9	40	
	6	Hard froſt.	W 0		30. 30	30.16	32	
4	12				30. 16	30. 9	37	
	9		20		30. 16	30. 9	37	
	6	Little froſt.	WSW 30		29 178	29 93	38	
5	12				29 170	29.89	45	
	9				29.172	29.90	40	
	6	Fair.	WNW 10		29.168	29.88	40	
6	12				29.168	29.88	50	
	9				29.164	29.86	47	
	6	Fair.	W 20		29.158	29.83	40	
7	12				29.150	29.78	44	
	9	Showers.	75		29.144	29.75	48	
	6	Sleet, but ſnow on the hills.	SSW 70		29.144	29.75	39	
8	12		50		29 32	29.17	40	
	9	} Very great ſtorm of	WNW		28.112	28.59		
	10	} wind and rain.	90		28.120	28 63	37	
	6	Fair.	WbyN 40		29 48	29.25	39	0.82
9	12	Showers.			29 60	29 31	45	
	9				29.132	29.69	42	

March 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches	°	Inch.
	6	Showery day.	SE 20		29.144	29.75	43	
10	12		SW 25		29.140	29.73	50	
	9		W		29.140	29.73	48	
	6	Fair.	W 20		29.138	29.72	45	
11	12		40		29. 96	29.50	53	
	9	**Very ſtormy.**	85		29. 48	29.25	48	
	6	**Stormy.**	NW 75		29. 92	29.48	42	
12	12	**Hail ſhowers.**			29.140	29.73	45	
	9	**Fair.**	80		29 184	29.96	39	
	6	Fair and froſt.	NE 20	W	30. 12	30. 6	34	
13	12				30. 20	30.11	46	
	9		WSW 15		30. 10	30. 5	40	
	6	Cloudy, froſt.	ENE 20		30. 8	30. 4	34	
14	12	Fair.			30. 16	30. 9	44	
	9				30. 16	30. 9	37	
	6	Fair, froſt.	WNW 25		30. 24	30.13	33	
15	12				30. 26	30.14	40	
	9	Cloudy.			30. 20	30.11	40	
	6	Fair.	NNE 30		30. 17	30. 9	39	
16	12				30. 17	30. 9	41	
	9		W		30. 10	30. 5	40	
	6	Cloudy.	NNW 35		30. 0	30. 0	38	0.10
17	12	Fair.			29.188	29.98	45	
	9				29.190	29.99	40	
	6	Hazy.	WNW 10		30. 0	30. 0	37	
18	12	Somewhat fair.			29.186	29.97	45	
	9	Cloudy.			29.180	29.94	41	

March 1782

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Cloudy.	W 25		29.150	29.79	45	
19	12	Some ſmall rain.			29.136	29.71	50	
	9				29.120	29.63	42	
	6	Hazy.	SW 15		29.140	29.73	39	
20	12	Fair.			29.152	29.80	45	
	9				29.144	29.75	41	
	6	Sleet, but ſnow on the diſtant hills.	SE 45		29 128	29.67	37	
21	12				29. 96	29.50	35	
	9				29. 40	29.21	35	0.40
	6	Ditto.	E 60		28.160	28.84	33	
22	12				28.170	28.89	34	
	9		ENE		29. 0	29. 0	32	0.50
	6	Exceſſive froſt, with a little	E 10		29. 20	29.11	27	
23	12	ſnow here, but five or ſix	N		29. 32	29.17	35	
	9	feet deep in the country.	NW 30		29. 88	29.46	37	
	6	Some ſhowers.	NW 50		29.100	29.52	40	
24	12				29. 90	29.47	43	
	9				29.100	29.52	40	0.33
	6	Cloudy.	W 30		29.108	29.57	40	
25	12	Fair.			29.112	29.59	47	
	9				29.128	29.67	39	
	6	Showery.	WNW 25		29.144	29.75	45	
26	12				29.140	29.73	50	
	9				29.140	29.73	48	
	6	Showery.	W 32		29.128	29 67	48	
27	12				29.120	29.63	51	0.17
	9	Hard rain all night.	SW 50		29. 88	29.46	48	

March 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	c	Inch
	6	Hard rain.	SSW 50		29. 32	29.17	51	
28	12	Fair and mild.	30		29. 90	29.47	55	
	9	Cloudy.			29. 72	29.37	50	1.25
	6	Hard rain.	WSW 60		29. 48	29.25	47	
29	12	Fair.			29. 60	29.31	50	
	9				29. 78	29.41	49	
	6	Fair.	WNW 50		29. 32	29.17	48	
30	12				29. 64	29.34	55	
	9		NW		29. 92	29.48	50	
	6	Very ſtormy.	W 60		29. 38	29.20	47	
31	12	Showers.			29. 56	29.29	50	
	9		80		29. 46	29.24	46	0.34
							Total rain	3.91

April 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Therm.	Rain.
		Hard rain ſhowers; the			Inches.	Inches.	°	Inch.
	6	bar. fell till 8 in the even-	SE 60		29. 0	29 0	42	
	12	ing: after which it roſe 1	SSW 50		28.116	28.61		
1	8	line by 10; after which	W 30		28. 96	28.50	50	
	9	the wind roſe to a great			28. 44	28.23		
	10	ſtorm, but no rain.	WNW		28. 60	28.31	43	
	6		NW 90		28.140	28.73	40	
2	12				28.156	28.82	41	
	9		70		28.172	28.90	40	0.33
	6	Some ſhowers.	NW 50		29. 0	29. 0	38	
3	12	Fair.			29. 16	29. 9	45	
	9				29. 48	29.25	37	
	6	Cloudy.	WNW 40		29. 76	29.40	40	
4	12	Fair.			29. 80	29.46	45	
	9		10		29. 75	29.39	38	
	6	Hard hail ſhowers.	E 40		29. 60	29.31	41	
5	12	Fair.	NW 25	ENE	29. 72	29.38	41	
	9				29. 80	29.42	45	
	6	Showers.	WNW 30		29. 96	29.50	40	
6	12		E NW		29.108	29.57	44	
	9	Hail ſhowers.	NE 40		29.112	29.59	40	
	6	Cloudy.	NE 50		29.128	29.67	40	
7	12				29.156	29.82	45	
	9				30. 0	30. 0	41	
	6	Cloudy.	NE 30		30. 0	30. 0	41	
8	12	Fair.			30. 0	30. 0	45	
	9				30. 0	30. 0	40	
	6	Cloudy.	NE 20		29.184	29 96	40	
9	12	Fair.			29.186	29.97	44	
	9				29.186	29.97	40	

April 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Cloudy.	NE 15		29.144	29.75	41	0.14
10	12	Fair.			29.123	29.63	48	
	9	Cloudy.	WNW 20		29. 96	29.50	42	
	6	Rain.	NW 30		29. 80	29.42	39	
11	12	Cloudy.			29. 80	29.42	44	
	9				29. 62	29.32	38	
	6	Fair, froſt.	WNW 20		29. 50	29.26	31	
12	12	Rain, but ſnow on the hills.	ENE 15		29. 50	29.26	41	
	9				29. 44	29.23	40	
	6	Cloudy.	NE 30		29. 72	29.38	40	
13	12	Showers.			29. 80	29.42	41	
	9				29. 70	29.37	41	
	6	Cloudy.	NE 10	NW	29. 80	29.42	38	
14	12	Fair.			29. 92	29.48	44	
	9	Cloudy.			29. 96	29.50	40	
	6	Cloudy.	NE 30		29. 90	29.47	40	
15	12				29. 96	29.50	44	
	9	Showers.			29.104	29.54	40	
	6	Cloudy.	NE 37		29.108	29.57	40	
16	12	Showers.			29.100	29.52	45	
	9				29.100	29 52	40	
	6	Rain.	ENE 30		29. 88	29.46	39	
17	12				29. 90	29.47	42	
	9				29. 93	29.48	41	
	6	Showers.	E 10		29. 96	29.50	40	
18	12				29. 99	29.52	41	
	9				29.104	29.54	40	0.50

April 1782

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Fair.	ESE 25		29.112	29.59	40	
19	12				29.116	29.61	44	
	9				29.116	29.61	41	
	6	Showery.	E 15		29.128	29.67	42	
20	12				29.128	29.67	45	
	9				29.140	29.73	40	
	6	Rain.	E 20		29.130	29.68	41	
21	12		SW 35		29.120	29.63	46	
	9				29.128	29.67	41	0.10
	6	Fair.	SW 40		29.115	29.60	50	
22	12	A little rain.			29.126	29.66	56	
	9	Fair.	SE 45		29.123	29.64	46	
	6	Fair.	SW 30		29.110	29.57	46	
23	12	Showers.			29.115	29.60	55	
	9				29.107	29.56	49	
	6	Showers.	SE 25		29. 78	29.41	50	
24	12				29. 66	29.34	49	
	9	Hard rain.			29. 51	29.27	50	
	6	Fair.	W 20		29. 73	29.38	49	0.67
25	12		SE	W	29. 96	29.50	50	
	9				29. 96	29.50	49	
	6	Fair.	E 30		29.112	29.59	48	
26	12				29.116	29.61	50	
	9				29.126	29.66	47	
	6	Cloudy, black easterly wind.	E 55		29.142	29.74	45	
27	12				29.142	29.74	49	
	9				29.146	29.76	45	

April 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Cloudy, black eaſterly wind.	E 50		29.140	29.73	41	
28	12				29.140	29.73	46	
	9				29.136	29.71	42	
	6	Rain all day, but ſnow on the hills.	E 45		29.138	29.72	40	
29	12				29.144	29.75	38	
	9				29.160	29.84	40	
	6	Cloudy, froſt.	SE 30		29.170	29.89	34	0.5
30	12	Fair.			29.176	29.92	46	
	9				29.180	29.94	40	
							Total rain	1.79

May 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Fair, froſt.	ESE 28		29.180	29.94	34	
1	12	No leaves on the trees yet.			29.182	29.95	47	
	9	Cloudy.			29.176	29.92	48	
	6	Fair.	E 10		29.176	29.92	40	
2	12	Cloudy.			29.170	29.89	48	
	9				29.166	29.87	45	
	6	Cloudy.	E 15		29.152	29.80	41	
3	12	Sometimes fair.			29.150	29.79	49	
	9	Cloudy.			29.146	29.77	46	
	6	Fair.	E 12		29.185	29.70	47	
4	12	Cloudy.			29.128	29.67	56	
	9		NE		29.116	29.61	45	
	6	Cloudy.	NE 20		29.130	29.68	42	
5	12		E		29.130	29.68	49	
	9		NW		29.126	29.66	45	
	6	Cloudy.	NW 20	N	29.146	29.77	45	
6	12				29.146	29.77	51	
	9				29.146	29.77	45	
	6	Cloudy.	W 30	E	29.164	29.86	48	
7	12		NE		29.165	29.86	51	
	9		W		29.173	29.90	47	
	6	Fair.	SE 15		29.169	29.89	50	
8	12	Showers.			29.160	29.84	54	
	9		S by E		29.128	29.67	48	
	6	Cloudy.	SE by S 10		29. 96	29.50	50	
9	12				29. 86	29.45	50	
	9				29. 94	29.49	47	

May 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Cloudy.	ENE 30		29.104	29.54	47	
10	12	Mild rain.	S		29.104	29.54	58	
	9	Showers.	WNW		29.107	29.56	51	
	6	Showers.	SSW 25		29. 76	29.40	50	
11	12				29. 70	29.37	54	
	9		WSW		29. 32	29.17	48	
	6	Fair.	WSW 30		29. 80	29.42	47	
12	12	Hard ſhowers.			29. 82	29.43	50	
	9	Fair.			29. 58	29.31	54	
	6	Fair.	W 20		29.115	29.60	50	1.19
13	12	Showers.			29.116	29.61	58	
	9		S		29.116	29.61	50	
	6	Rain.	SSW 15		29. 75	29.39	56	
14	12				29. 56	29.29	60	
	9	Cloudy.	WSW		29. 56	29.29	55	
	6	Showers.	S by W 5		29. 66	29.34	55	
15	12		SSW		29. 66	29.34	56	
	9		W by S		29. 58	29.30	53	
	6	Showers.	W by S		29. 50	29.26	50	
16	12				29. 70	29.36	59	
	9				29. 88	29.46	50	0.24
	6	Fair.	W 15		29. 21	29.12	55	
17	12				29. 15	29. 8	61	
	9	Rain.	SW by W		29. 35	29.18	53	
	6	Showers.	WSW 15		29. 38	29.20	47	
18	12	Flying clouds.			29. 79	29.42	54	
	9	Cloudy.			29. 90	29.47	49	

May 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Rain.	NW 20		29.116	29.61	49	
19	12	Fair.			29.134	29.70	51	
	9				29.164	29.86	45	
	6	Fair.	S		29.161	29.84	49	
20	12		SE by E 30		29.116	29.61	59	
	9	Hard rain.			29. 76	29.40	42	
	6	Rain.	NE 45		29. 88	29.46	46	
21	12		WSW		29.104	29.54	49	
	9	Cloudy.			29.104	29.54	47	
	6	Foggy, rain.	WNW 20		29.108	29.56	50	
22	12	Fair.			29. 96	29.50	55	
	9				29. 90	29.47	48	
		Rain in the night.						
	6	Showers.	SSE 40		29. 75	29.89	47	0.93
23	12	Fair.			29. 90	29.47	50	
	9		WNW		29. 98	29.51	49	
	6	Showers.	NW 50		29.112	29.59	50	
24	12	Fair.	60		29.136	29.71	55	
	9				29.160	29.84	50	
	6	Hazy.	SW 30		29.176	29.92	50	
25	12	Fair.			29.170	29.89	54	
	9				29.146	29.77	50	
	6	Fair.	W 30		29.154	29.81	50	0.24
26	12				29.173	29.90	56	
	9	Rainy.			29.170	29 89	53	
	6	Hazy.	SW 25		29.144	29.75	48	
27	12	Showers.			29.144	29.75	62	
	9		S		29.140	29.73	55	

May 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Cloudy.	SW 0		29.140	29.73	60	
28	12	Rain.	SE 20		29.134	29.70	60	
	9	Hard rain.	SW		29.106	29.55	62	
	6	Rain.	S 30		29. 96	29.50	60	
29	12				29. 88	29.46	58	
	9	Cloudy.	W		29. 90	29.47	52	0.33
	6	Small ſhowers.	W 25		29. 94	29.49	57	
30	12	Fair at intervals.			29.106	29.55	62	
	9				29.106	29.55	55	
	6	Cloudy.	W 0		29. 96	29.50	52	
31	12	Hard ſhowers.			29. 96	29.50	60	
	9				29. 96	29.50	58	0.28
							Total rain	3.21

June 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Rain.	NE 30	W	29.128	29.67	47	
1	12	Cloudy.	NW by N		29.138	29.72	56	
	9	Rain.			29.124	29.65	49	
	6	Fair.	NNW 40		29.188	29.98	50	
2	12	Flying clouds.	NW		29.190	29.99	55	
	9				30. 4	30. 2	50	0.31
	6	Fair.	NW 50		30. 8	30. 4	50	
3	12				30. 16	30. 9	56	
	9	Cloudy.			30. 19	30.10	52	
	6	Hazy.	WNW 20		30. 18	30.10	52	
4	12	Fair.			30. 10	30. 5	60	
	9	Cloudy.			30. 0	30. 0	55	
	6	Fair.	NW 30		30. 0	30. 0	50	
5	12				30. 2	30. 1	58	
	9				30. 4	30. 2	52	
	6	Fair.	E 10		30. 6	30. 3	47	
6	12				30. 6	30. 3	60	
	9				30. 6	30. 3	52	
	6	Fair.	SE 0		30. 5	30. 3	50	
7	12	Hazy.			30. 0	30. 0	67	
	9	Cloudy.			29.184	29.96	60	
	6	Cloudy.	SSW 10		29.163	29.86	55	
8	12	Fair and hot.			29.152	29.80	70	
	9	Some rain.			29.138	29.72	57	
	6	Showers.	S by W 25		29 100	29.52	56	
9	12	Fair.			29 108	29.56	67	
	9	Cloudy.			29.112	29.59	57	0.50

June 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Showers.	W 30		29. 62	29.31	52	
10	12	Fair.			29. 76	29.40	62	
	9	Showers.			29. 76	29.40	60	
	6	Showers.	W 20		29. 57	29.30	55	
11	12	Fair.	50		29. 96	29.50	62	
	9				29.116	29.61	58	0.29
	6	Showers.	W 20	SE	29. 56	29.29	55	
12	12		SSE 30		29.112	29.59	63	
	9		W 75		29. 76	29.40	55	
	6	Showers.	W 50		29. 82	29.43	51	
13	12	Fair.			29.116	29.61	62	
	9	Hard rain.			29.134	29.70	55	
	6	Showers.	W by S 75		29.144	29.75	56	0.34
14	12	Fair and hot.			29.150	29.79	69	
	9				29.160	29.84	60	
	6	Cloudy.	WSW 20		29.184	29.96	61	
15	12	Fair, very hot.	50		30. 0	30. 0	75	
	9		10		30. 4	30. 2	60	
	6	Foggy.	SE 10	W	30. 16	30. 9	60	
16	12	Fair.	NW 30		30. 32	30.17	72	
	9		SW		30. 24	30 18	60	
	6	Fair.	ESE 20		29.188	29.98	60	
	12		S by E 10		29.164	29.86	71	
17	4	Exceſſive hot, ther. roſe 21°.					81	
	9				29.150	29 79	75	
	6	Flying thunder ſhowers.	NW 10		29.154	29.81	67	
18	12	Fair.	WNW		29.172	29.90	67	
	9				30. 0	30. 0	58	

June 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Fair.	WNW 10		30. 16	30. 9	58	
19	12				30. 34	30.18	67	
	9				30. 32	30.17	60	
	6	Fair.	ENE 10	W	30. 32	30.17	58	
20	12		WSW		30. 38	30.20	68	
	9				30. 38	30.20	64	
	6	Hazy.	NNW 20		30. 44	30.23	60	
21	12	Hot.	SW		30. 57	30.30	70	
	9				30. 76	30.40	67	
	6	Fair and hot.	W 25		30. 76	30.40	60	
22	12				30. 76	30.40	71	
	9		SE	SW	30. 76	30 40	60	
	6	Fair, very hot.	ENE 30		30. 72	30.38	59	
23	12				30. 61	30.32	74	
	9		ESE 40		30. 48	30.25	66	
	6	Fair, very hot.	ESE 20		30. 30	30.16	62	
24	12		S by E 10		30. 22	30.12	76	
	9				30. 19	30.10	67	
	6	Fair.	W 0		30. 8	30. 4	67	
25	12	Exceſſive hot.	E 22	SW	29.186	29 97	77	
	2						80	
	9		S		29.184	29.96	72	
	6	Foggy and cooler.	WNW 25		29.184	29.96	61	
26	12	Fair.			29.184	29.96	70	
	9				29.184	29 96	58	
	6	Fair.	E 0		30. 10	30. 5	57	
27	12		WNW 30		30. 10	30. 5	67	
	9				30. 0	30. 0	56	

June 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Fair.	NW 10		29.188	29.98	57	
28	12				30. 4	30. 2	67	
	9				30. 4	30. 2	60	
	6	Cloudy.	W 20		30. 6	30. 3	56	
29	12				30. 6	30. 3	67	
	9				30. 0	30. 0	56	
	6	A little rain.	W 10		29.176	29.92	61	
30	12	Hazy.	WNW		29.180	29.94	67	
	9	Fair.			29.180	29.94	55	
						Total rain		1.44

July 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Cloudy.	WNW 20		29.180	29.94	58	
1	12				29.184	29.96	62	
	9	A hard ſhower.			29.172	29.90	57	
	6	Flying clouds.	NW 40		29.144	29.75	58	
2	12				29.146	29.76	62	
	9				29.152	29.79	57	0.07
	6	Hazy.	WNW 15		29.182	29.95	59	
3	12	Fair.			29.186	29.97	62	
	9				29.180	29.94	58	
	6	A little rain.	WNW 30		29.162	29.85	58	
4	12	Hazy.			29.166	29 87	62	
	9	Fair			29.170	29.89	55	
	6	Fair and cold.	WNW 10		29.158	29.83	50	
5	12	Rain.			29.140	29.73	61	
	9				29.130	29.68	58	0.28
	6	Rain.	SE 20	SW	29.122	29.64	59	
6	12		E 35		29.134	29.70	61	
	9		NE		29.150	29.79	60	0.23
	6	Foggy, rain.	NE 20		29.162	29.85	59	
7	12	Fair.			29.162	29.85	62	
	9	Cloudy.	0		29.162	29.85	60	
	6	Cloudy.	E		29.167	29.88	60	
8	12	Fair.	WNW 40		29.174	29.91	63	
	9	Cloudy.			29.174	29.91	58	
	6	Fair and hot.	WNW 45		29.156	29.82	60	0.13
9	12				29.160	29.84	70	
	9				29.170	29.89	59	

July 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Cloudy.	WNW 20		29.168	29.88	59	
10	12	Fair.			29.170	29.89	60	
	9				29.175	29.91	58	
	6	Rainy day.	SE 30		29.154	29.81	59	
11	12		SSE	W by N	29.128	29.67	60	
	9		WNW		29.100	29.52	58	
	6	A little ſhower.	W 0		29.122	29.64	56	
12	12	Cloudy and fair at intervals.			29.144	29.75	68	
	9	Hard ſhowers.			29 152	29.80	58	
	6	Rain.	S by E 30		29.164	29.86	59	
13	12				29.132	29.69	61	
	9	Hard rain.			29.100	29.52	58	
	6	Cloudy.	W 10		29.128	29.67	59	0.68
14	12	Fair.			29.140	29.73	64	
	9				29.152	29.80	60	
	6	Hazy.	W 20		29.164	29.86	60	
15	12	Fair and hot.			29.174	29.91	74	
	9				29.160	29.84	65	
	6	Fair.	E 0		29.154	29.81	59	
16	12		NW 10		29.150	29.79	65	
	9	Thunder ſhowers.	SE		29.144	29.70	60	0.40
	6	Hard rain.	S by E 30		29.166	29.87	58	
17	12				29.170	29.89	61	
	9		NW		29.186	29.97	59	
	6	Fair and cold morning.	WNW 15		30. 0	30. 0	50	0.37
18	12				30. 16	30. 9	69	
	9				30. 32	30.17	62	

July 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Fair and hot.	W 10		30. 40	30.21	64	
19	12		E	NE	30. 48	30.25	72	
	9				30. 36	30.19	65	
	6	Fair.	WNW 15		30. 38	30.20	62	
20	12		E	ENE	30. 30	30.16	67	
	9				30. 24	30.13	59	
	6	Fair.	ENE 10		30. 24	30.13	64	
21	12	Very hot.			30. 16	30. 9	74	
	9				30. 0	30. 0	68	
	6	Fair.	E 30		29.160	29.84	61	
	12	Exceſſive hot.			29.152	29.80	80	
22	2						81	
	9	Flying ſhowers.	S by E		29.140	29.73	68	
	6	Flying ſhowers.	S 10		29.146	29.77	64	
23	12				29.150	29.79	74	
	9	Fair.			29.154	29.81	65	
	6	Cloudy.	SW 35	NE	29.158	29.83	63	
24	12	Some ſmall rain.			29.166	29.87	71	
	9	Cloudy.	W	N	29.173	29.90	60	
	6	Fair.	SW by W 40		29.188	29.98	59	
25	12			ENE	29.190	29.99	65	
	9		W		30. 0	30. 0	60	
	6	Cloudy.	SW 20	N	29.154	29.81	58	
26	12	A hard ſhower.	WNW		29.162	29.85	64	
	9	Fair afternoon.	NE		29.172	29.90	59	
	6	Rain.	NE 30	SW	29.156	29.82	61	
27	12				29.150	29.79	63	
	9		NW		29.140	29.73	60	

July 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Showers.	W 25		29.140	29.73	60	
28	12				29.132	29.69	62	
	9	Cloudy.			29.138	29.72	60	
	6	Fair.	E 10		29.150	29.79	60	
29	12	Hazy.	W 35		29.154	29.81	70	
	9	A little rain.	NW		29.163	29.85	60	
	6	Fair.	NE 20		29.170	29.89	56	0.77
30	12			NE	29.172	29.90	65	
	9		WNW 40		29.174	29.91	58	
	6	Cloudy.	WNW 15		29.160	29.84	56	
31	12	Some rain.		SE	29.156	29.82	62	
	9		SW		29.144	29.75	60	
							Total rain	2.93

Auguſt 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Flying ſhowers.	NE 30	S	29.140	29.73	58	
1	12				29.128	29.67	68	
	9				29. 90	29.47	60	
	6	Fair.	NE 0	S	29. 70	29.37	58	
2	12	Showers.	WSW 30		29. 60	29.31	66	
	9	Showers.	WNW		29. 72	29.38	60	
	6	Fair.	NW 40		29. 75	29.39	60	
3	12		WNW		29.110	29.58	67	
	9				29.113	29.60	60	
	6	Fair.	WNW 35		29.122	29.64	58	
4	12				29.134	29.70	64	
	9	Showert.			29.144	29.75	60	
	6	Some rain.	W 10		29.176	29.92	57	
5	12	Fair.			29.168	29.88	65	
	9				29.160	29.84	59	0.19
	6	Showers.	W		29.126	29.66	58	
6	12	Fair.	SW		29. 96	29.50	68	
	9	Thunder ſhowers.	S		29. 48	29.25	60	0.11
	6	Hard rain.	ESE 20		28.186	28.97	57	
7	12	Very ſtormy.	NW 90		29. 19	29.10	51	
	9				29. 39	29.20	55	1.51
	6	Very ſtormy ſhowers.	NNW 90		29. 56	29.29	56	
8	12	Stormy, but fair.	80		29.100	29.52	64	
	9		75		29.125	29.65	60	0.30
	6	Cloudy.	NW 40		29.120	29.63	58	
9	12	Showers.			29.116	29.61	62	
	9				29.122	29 64	60	

Auguſt 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.		Inch.
	6	Small ſhowers.	NW 50		29.135	29.71	58	
10	12	Fair at intervals.			29.140	29.73	60	
	9				29.154	29.81	57	
	6	Fair.	WNW 35		29.160	29.84	58	
11	12				29.160	29.84	61	
	9		10		29.156	29.82	52	
	6	Cloudy.	SE 30		29.134	29.70	58	
12	12	Hard rain.			29.105	29.54	55	
	9				29 100	29.52	52	
	6	Fair.	WSW 10		29.100	29.52	57	0.54
13	12	Flying ſhowers.			29. 76	29.40	64	
	9	Hard wind and rain.	75		29. 36	29.19	60	
	6	Hard ſhowers.	SW 75		29. 34	29.18	63	
14	12	Fair.			29. 30	29.16	68	
	9	Cloudy.			29. 24	29.13	60	
	6	Cloudy.	WNW 0		29. 80	29.42	62	
15	12	Fair.			29.100	29.52	68	
	9				29.116	29.61	60	0.23
	6	Rain.	S		29. 48	29.25	56	
16	12	Fair.	WNW 20		29. 60	29.31	64	
	9	Cloudy.			29. 86	29 45	59	
	6	Cloudy.	WNW 30		29. 86	29.45	58	
17	12	Fair.			29. 86	29.45	60	
	9	Cloudy.			29. 86	29 45	59	
	6	Fair.	NW 35		29.138	29.72	60	
18	12		WNW		29.140	29.73	64	
	9	Showers.			29.144	29.75	60	

Auguſt 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Fair.	SE 10		29.134	29.70	59	0.17
19	12				29.146	29.76	69	
	9	Cloudy.	NW		29.148	29.77	60	
	6	Cloudy.	SW 40		29.148	29.77	58	
20	12	Showers.	WNW		29.144	29.75	70	
	9				29.144	29.75	60	
	6	Fair.	WSW 25		29.152	29.79	58	
21	12		SW		29.148	29.77	71	
	9	Showers.			29.154	29.80	63	
	6	Showery day.	SW 40		29.144	29.75	58	
22	12		WSW		29.134	29.70	67	
	9				29.122	29.64	57	
	6	Showers.	W 50		29.126	29.66	56	
23	12	Fair.	NW		29.138	29.73	67	
	9	Cloudy.	SW		29.154	29.81	60	
	6	Cloudy.	SW 20		29.150	29.79	58	
24	12	Showers.			29.115	29.60	70	
	9		WNW		29. 96	29.50	60	
	6	Fair.	WSW 25		29.106	29.56	59	
25	12				29.134	29.70	67	
	9	Showers.	W		29.150	29.79	60	
	6	Showers.	WSW 20		29.154	29.81	60	
26	12				29.163	29.85	70	
	9				29.173	29.90	61	0.64
	6	Fair.	NW 45		29.138	29.72	60	
27	12				29.135	29.70	64	
	9	Hard rain.	WNW		29.106	29.55	60	

Auguſt 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Fair.	NW 50		29.122	29.64	58	
28	12	Cloudy.			29.134	29.70	63	
	9	Showers.			29.130	29.68	58	
	6	Showers.	W 40		29.111	29.58	52	
29	12	Fair.	WNW		29.118	29.62	59	
	9	Hard rain.	65		29.123	29.64	54	
	6	Showers.	NWbyW 45		29.142	29.74	55	
30	12	Fair.			29.156	29.81	59	
	9				29.182	29.95	52	
	6	Showers.	NWbyW 30		30. 4	30. 2	52	
31	12	Fair.			30. 16	30. 9	60	
	9	Rain.			30. 24	30.13	55	0.50
							Total rain	4.19

September 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Cloudy.	WSW 20		30. 32	30.17	57	
1	12	Fair.	WNW		30. 37	30.20	60	
	9	Cloudy.			30. 40	30.21	54	0.17
	6	Cloudy.	SW 10		30. 52	30.27	60	
2	12	Fair.	NE NW		30. 66	30.34	68	
	9		SW		30. 48	30.25	58	
	6	Cloudy.	SW 5		30. 29	30.15	52	
3	12		NE SE	SW	30. 20	30.11	67	
	9	Fair	SW		30. 5	30. 3	60	
	6	Fair.	NNE 10	SSE	29.180	29.94	55	
4	12	Hot.	SSE		29.180	29.94	71	
	9				29.184	29.96	60	
	6	Fair, cold rain.	SE 20		30. 0	30. 0	52	
5	12	Hot.			30. 5	30. 3	70	
	9				30. 10	30. 5	60	
	6	Fair.	SE 25		30. 10	30. 5	55	
6	12				30. 15	30. 8	68	
	9				30. 15	30. 8	60	
	6	Fair.	SSE 15		30. 18	30.10	60	
7	12				30. 18	30.10	70	
	9				30. 20	30.11	60	
	6	Fair.	E 10		30. 24	30.13	57	
8	12				30. 24	30.13	67	
	9				30. 20	30 11	60	
	6	Foggy.	E 10		30. 24	30.13	0	
9	12	Fair.			30. 24	30.13	68	
	9				30. 14	30. 8	62	

September 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Foggy.	E 15		30. 16	30. 9	58	
10	12	Fair.			30. 10	30. 5	67	
	9				30. 0	30. 0	61	
	6	Fair.	ENE 30		29 184	29.96	60	
11	12				29 180	29.94	67	
	9		50		29.178	29.93	60	
	6	Cloudy.	E 50		29.179	29.93	63	
12	12				30. 0	30. 0	06	
	9	Fair.			30 12	30. 6	60	
	6	Cloudy.	E 20		30. 12	30. 6	55	
13	12	Fair.			30. 0	30. 0	65	
	9		W		29.184	29.96	58	
	6	Cloudy.	E 25		29.170	29.89	57	
14	12				29.165	29.87	64	
	9				29.144	29.75	60	
	6	A little rain.	S 25		29. 96	29.50	58	
15	12	Fair.	ESE		29. 64	29.34	63	
	9				29. 48	29.25	60	
	6	A little rain.	S 10		29. 20	29.11	60	
16	12	Hard rain.	ESE 15		29. 12	29. 7	67	
	4				29. 0	29. 0		
	9	Stormy wind and rain.	SW 75		29. 33	29.17	57	
	6	Fair.	W 25		29. 48	29.25	55	
17	12	Showers.			29. 57	29.30	63	
	9				29. 57	29.30	55	0.61
	6	Showers.	WNW 30		29. 48	29.25	55	
18	12				29. 20	29.11	63	
	9		70		29. 57	29.30	58	

September 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Fair and cold.	WNW 60		29.130	29.68	51	
19	12				29.170	29.89	53	
	9				29.176	29.92	52	
	6	Showers.	WNW 30		29.150	29.79	60	
20	12				29.142	29.74	64	
	9				29.110	29.58	60	0.22
	6	Cloudy.	SW 25		29.100	29.52	58	
21	12	Hard rain.			29. 96	29.50	66	
	9				29. 96	29.50	61	
	6	Fair.	SW 28		29.100	29.52	60	
22	12	Hard ſhowers.			29.100	29.52	67	
	9				29. 90	29.47	61	0.24
	6	Showers.	NW 60		29. 76	29.40	57	
23	12				29. 80	29.42	64	
	9	Stormy.	70		29.140	29.73	60	
	6	A little ſhower.	WNW 10		29.164	29.86	53	
24	12	Cloudy.			29.180	29.94	63	
	9	Rain.			29.170	29.89	58	0.88
	6	Showers.	WNW 5		29.156	29.82	53	
25	12	Fair and hot.			29.164	29.86	69	
	9				29.164	29.86	60	
	6	Showers.	W 0		29.160	29.84	55	
26	12	Fair and hot.			29.160	29.84	70	
	9	Cloudy.	20		29.160	29.84	58	0.45
	6	Rain.	NW 30		29.125	29.65	55	
27	12				29.150	29.79	67	
	9	Fair.			29.182	29.95	60	

September 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	6	Cloudy and cold.	SW 10		30. 6	30 3	49	
28	12		35		30. 12	30. 6	57	
	9	Rain.			29.180	29.94	55	
	6	Fair.	W 20		29.170	29.89	60	
29	12	Showers.			29.140	29.73	67	
	9	Hard rain.			29.128	29.67	61	
	6	Fair.	NW 60		29.116	29.61	50	
30	12	Showers.			29.144	29.75	55	
	9				29.180	29.94	51	
								1.33
							Total rain	3.90

October 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
1	7	Fair.	NW 30		30. 8	30. 4	49	
	12				30. 10	30. 5	54	
	9				30. 0	30. 0	50	
2	7	Showers.	WNW 35		29. 80	29.42	55	
	12				29. 70	29.37	64	
	9				29. 48	29.25	57	0.41
3	7	Fair.	NE 15		29. 30	29.16	58	
	12	Cloudy.			29. 60	29.31	63	
	9				29. 80	29.42	56	
4	7	Fair and cold.	NE 20		29. 88	29.45	43	
	12				29. 90	29.47	53	
	9	Cloudy.			30. 12	30. 6	50	
5	7	Fair.	ENE 10		29.172	29.89	45	
	12				29.180	29.94	48	
	9				29.186	29.97	48	
6	7	Fair.	E 25		30. 6	30. 3	50	
	12				30. 0	30. 0	56	
	9	Cloudy.			29.184	29.96	51	
7	7	Cloudy.	WNW 10		29.175	29.91	50	
	12	A little rain.			29.175	29.91	55	
	9				29.170	29.89	51	
8	7	Moiſt cloſe day.	NW 30		29.164	29.86	53	
	12				29.160	29.84	56	
	9				29.160	29.84	51	
9	7	Some rain.	ESE 24		29.154	29.81	53	
	12				29.140	29.73	57	
	9				29.136	29.71	54	

October 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	7	Cloudy.	E 30		29. 80	29.42	50	
10	12				29. 40	29.21	56	
	9		60		29. 16	29. 9	52	
	7	Cloudy.	E 60		29. 16	29. 9	49	
11	12				29. 40	29.21	54	
	9				29. 60	29.31	51	
	7	Cloudy.	E 50		29. 84	29.44	50	
12	12				29. 88	29.46	54	
	9				29.110	29.57	51	
	7	Fair.	E 20		29.130	29.68	48	
13	12				29.154	29.81	52	
	9	Cloudy.			29.162	29.85	50	
	7	White froſt.	W 10		29.184	29.96	37	
14	12				30. 0	30. 0	47	
	9		E		30. 6	30. 3	50	
	7	Some rain.	E 20		30. 16	30. 9	50	
15	12				30. 16	30. 9	54	
	9				30. 16	30. 9	51	
	7	Cloudy.	WNW 30		30. 16	30. 9	47	
16	12	Fair.			30. 18	30.10	55	
	9				30. 20	30 11	50	
	7	Fair.	N 35		30. 24	30.13	49	
17	12		NW		30. 28	30.15	55	
	9	Cloudy.			30. 36	30 19	51	
	7	Cloudy.	WNW 50		30. 58	30.31	50	
18	12	Fair.			30. 72	30.38	54	
	9	Cloudy.	70		30. 66	30.34	50	

October 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	7	Some little rain.	WNW 60		29.154	29.81	52	
19	12				29.160	29.84	56	
	9	Stormy wind.	80		29.165	29.86	50	0.42
	7	Fair.	NW by N 60		29.170	29.89	47	
20	12				29.172	29.90	54	
	9	Rain.			29.170	29.89	55	
	7	Rain.	NW 40		29.124	29.65	56	
21	12	Fair.			29.144	29.75	60	
	9	Cloudy.			29.144	29.75	60	
	7	Cloudy.	WNW 35		29.144	29.75	60	
22	12				29.130	29.68	62	
	9	Rainy night.			29.110	29.58	62	
	7	Fair.	WNW 20		29.144	29.75	48	
23	12				29.160	29.84	53	
	9				30. 15	30. 8	50	
	7	Fair, froſt.	WNW 0		30. 38	30.20	39	
24	12				30. 48	30.25	52	
	9		35		30. 58	30.30	50	
	7	Showers.	W 20		30. 40	30.21	47	
25	12				30. 32	30.17	54	
	9				30. 19	30.10	51	0.40
	7	Fair.	W 0		30. 16	30. 9	55	
26	12				30. 40	30.21	60	
	9	Foggy.			30. 60	30.31	55	
	7	Foggy day.	SW 0		30. 56	30.29	54	
27	12				30. 48	30.25	58	
	9				30. 32	30.17	57	

October 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	7	Fair.	W 5		29.184	29.96	50	
28	12	Small ſhowers.	25		29.176	29.92	55	
	9	Stormy ſhowers.	75		29.104	29.54	54	
	7	Exceſſive ſtormy, but dry.	WNW 90		29.136	29.72	50	
29	12		NW 80		29.160	29.84	55	
	9	Shower.	10		30. 8	30. 4	51	
	7	Rain.	WNW 0		30. 0	30. 0	40	
30	12				29.140	29.73	52	
	9		30		29. 96	29.50	50	
	7	Showers.	NW 25		29. 68	29.36	48	
31	12				29. 79	29.42	50	
	9				30. 0	30. 0	46	0.46
							Total rain	1.60

November 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
1	8	Cloudy.	SE 15		30. 0	30. 0	42	
	12	Showers.			29. 97	29.50	49	
	9				30. 6	30. 3	45	
2	8	Rain.	SE 30		29.170	29.89	45	
	12				29. 84	29.44	50	
	9				29. 76	29.40	43	
3	8	Fair.	NW 10		29. 6	29. 3	45	
	12	Showers.	W		29. 12	29. 6	49	
	9		NE		29. 24	29.13	49	
4	8	Fair.	NW 30		29. 84	29.44	40	0.73
	12				29. 90	29.47	45	
	9		NE		29. 96	29.50	44	
5	8	Rain.	NE 35		29.104	29.54	39	
	12		ENE		29.136	29.71	43	
	9		NE		29.136	29.71	43	
6	8	Fair, froſt.	NW 23		30. 0	30. 0	38	
	12	Snow on the hills.			30. 12	30. 6	43	
	9				30. 50	30.26	37	
7	8	Fair, hard froſt.	NNW 0	E	30. 56	30.30	32	
	12		NE		30. 64	30.33	38	
	9		NW		30. 56	30.30	32	
8	8	Fair, hard froſt.	NE 20		30. 32	30.17	30	
	12		ENE		30. 24	30.13	40	
	9	Cloudy.			30. 16	30. 9	38	
9	8	Cloudy, little froſt.	NW 20		30. 0	30. 0	37	
	12	Froſt.			30. 0	30. 0	43	
	9				29.178	29.93	32	

November 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	8	Very hard froſt.	NW 0		29.170	29.89	27	
10	12				29.166	29.87	35	
	9				29.164	29.86	38	
	8	Rain.	ENE 25		29.144	29.75	37	
11	12				29.160	29.84	42	
	9				29.172	29.90	40	
	8	Foggy rain.	SSE 30		30. 0	30. 0	39	
12	12				30. 8	30. 4	45	
	9	Fair.			30. 20	30.11	48	0.12
	8	Fair, froſt.	NW 0		30. 80	30.42	32	
13	12	N. B. The tide ebbed and	SE		30. 96	30.50	45	
	9	flowed 3 times in an hour.	W		30.120	30.63	35	
	8	Fair, froſt.	W 0		30.114	30.60	35	
14	12				30.112	30.59	40	
	9	Cloudy.			30.110	30.58	40	
	8	Cloudy.	NW 10		30.108	30.57	48	
15	12				30. 90	30.47	53	
	9	Rain.	50		30. 48	30.25	50	
	8	Cloudy.	NW 75		30. 0	30. 0	48	
16	12	Fair.			30. 0	30. 0	52	
	9				30. 16	30. 9	45	
	8	Fair, little froſt.	NNW 30		30. 38	30.20	42	
17	12				30. 32	30.17	45	
	9				30. 30	30.16	40	
	8	Cloudy.	W 10		29.176	29.92	44	
18	12				29.174	29.91	48	
	9	Small rain.			29.172	29.90	40	

November 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	8	Foggy, rain.	NW 20		29.180	29.94	40	
19	12				29.180	29.94	47	
	9				29.180	29.94	43	
	8	Cloudy.	E 15		29.180	29.94	40	0.10
20	12	Fair.			29.180	29.94	47	
	9				29.180	29.94	41	
	8	Fair, hard froſt.	WNW 0		29.180	29.94	31	
21	12				30. 8	30. 4	37	
	9				30. 0	30. 0	30	
	8	Very hard froſt.	S 0		29.154	29.81	29	
22	12		SE		29.128	29.67	39	
	9	Cloudy.	W		29.104	29.54	38	
	8	Cloudy.	NW 10		29. 80	29.42	38	
23	12				29. 72	29.38	40	
	9	Snow.	SE		29. 70	29.37	36	
	8	Cloudy.	S by E 15		29. 66	29.34	35	
24	12		E		29. 56	29.29	39	
	9	Rain.			29. 62	29.32	38	
	8	Hard rain.	S by E 10		29. 90	29.47	37	
25	12				29. 96	29.50	38	
	9	Cloudy.			29.130	29.68	38	
	8	Fair.	S		29.180	29.94	37	
26	12				30. 0	30. 0	40	
	9	Freezing hard.	S by E 20		30. 8	30 4	32	
	8	Cloudy.	S by E 20		29.160	29.84	38	
27	12	Rain.	SW		29.152	29.80	40	
	9				29.144	29.75	40	

November 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	8	Rain.	S by E 30		29.136	29.71	39	
28	12		SSW		29.130	29.68	42	
	9	Cloudy.			29.112	29.59	42	0.54
	8	Hail ſhowers.	NW 70		29.134	29.70	40	
29	12				29.134	29.70	43	
	9		E		29.134	29.70	42	
	8	Rain.	E 25		29.120	29.63	40	
30	12	Fair.			29.126	29.66	43	
	9				29.130	29.68	40	
							Total rain	1.49

December

December 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Therm.	Rain.
					Inches.	Inches.	°	Inch.
	8	Cloudy.	ENE 10		29.154	29.81	37	
1	12				29.160	29.84	42	
	9	Fair.			29.173	29.90	39	
	8	Exceſſive hard froſt.	W 0		29.153	29.80	26	
2	12		SE	W	29.153	29.80	35	
	9		ESE		29.153	29.80	30	
	8	Fair, froſt.	SSE 10		30. 0	30. 0	32	
3	12				30. 0	30. 0	35	
	9	Cloudy.			30. 0	30. 0	32	
	8	Cloudy, froſt.	E by S 15		30. 20	30.11	32	
4	12				30. 20	30.11	34	
	9				30. 20	30.11	32	
	8	Cloudy, froſt.	E by S 25		29.176	29.92	34	
5	12				29.168	29.88	34	
	9				29.154	29.81	34	
	8	Cloudy, froſt.	S by W 10		29.134	29.70	40	
6	12				29 126	29.66	45	
	9	Miſling rain.	S		29.126	29.66	42	
	8	Cloudy.	S by W 12		29.140	29.73	41	
7	12	Some rain.			29.140	29.73	49	
	9				29.152	29.80	47	0.14
	8	Foggy and cold.	E 15		30. 0	30. 0	35	
8	12				30. 8	30. 4	35	
	9				30. 8	30. 4	35	
	8	Foggy.	E 20		29.154	29.81	35	
9	12				29.150	29.79	37	
	9				29.150	29 79	37	

December 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	8	Foggy.	NW by W 5		29.140	29.73	40	
10	12		NE		29.136	29.71	43	
	9				29.140	29.73	41	
	8	Foggy.	E 15		29.190	29.99	36	
11	12		S by E		29.190	29.99	38	
	9				29.188	29.98	37	
	8	Foggy.	WNW 25		29.156	29.82	36	
12	12				29.132	29.69	37	
	9	Rain.			29.128	29.67	37	
	8	Rain.	WNW 20		29.112	29.59	40	
13	12	Fair.			29.112	29.59	42	
	9	Hard rain.			29. 64	29.33	40	
	8	Rain.	WNW 30		29. 96	29.50	39	
14	12				29.108	29.57	41	
	9	Cloudy.			29.108	29.57	40	
	8	Cloudy, ſometimes fair.	NW 35		29.122	29.64	39	
15	12				29.124	29.65	42	
	9	Cloudy.			29.140	29.73	40	
	8	Rain.	WNW 20		29.116	29.61	41	
16	12				29.110	29.58	47	
	9	Very hard rain.	60		29.110	29.58	46	
	8	Foggy, rain.	NW 40		29.112	29.59	50	
17	12	Very mild.			29.118	29 62	54	
	9				29.116	29.61	51	1.09
	8	Cloudy.	WNW 25		29.128	29.67	48	
18	12	Fair.			29.160	29.84	50	
	9				29.190	29.99	50	

December 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	8	Frosty and fair.	W 0		30. 92	30.48	40	
19	12		10		30.116	30.61	45	
	9	Hazy.			30.128	30.67	41	
	8	Foggy.	W 15		30.120	30.63	39	
20	12				30.120	30.63	42	
	9				30.116	30.61	40	
	8	Cloudy.	WNW 20		30.116	30.61	39	
21	12	Fair.			30.120	30.63	48	
	9		NW		30.116	30.61	41	
	8	Frosty and fair.	E 0		30.112	30.59	39	
22	12				30.106	30.55	44	
	9	Cloudy.			30.106	30.55	46	
	8	Fair.	SW 20		30. 72	30.38	40	
23	12	Cloudy.	WNW		30. 70	30.37	45	
	9				30. 57	30.30	40	
	8	Cloudy.	NW 75		30. 50	30.26	45	
24	12				30. 50	30.26	48	
	9				30. 50	30.26	45	
	8	Foggy.	NW 25		30. 28	30 15	45	
25	12				30. 40	30.21	49	
	9				30. 64	30.33	40	
	8	Foggy.	WNW 15		30. 96	30.50	44	
26	12				30. 96	30.50	48	
	9				30. 96	30.50	40	
	8	Foggy.	WNW 25		30. 64	30.34	41	
27	12				30. 60	30.32	45	
	9				30. 60	30.32	39	

December 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
	8	Foggy.	NW 40		30. 44	30.23	38	
28	12				30. 40	30.21	43	
	9	Miſling rain.			30. 30	30.16	40	
	8	Miſling rain.	W byN 15		30. 30	30.16	40	
29	12				30. 28	30.15	44	
	9	Fair.			30. 32	30.17	39	
	8	Foggy.	NW 40		30. 40	30.21	39	
30	12				30. 40	30.21	42	
	9				30. 44	30.23	40	
	8	Fair.	ENE 30		30. 50	30.26	40	
31	12				30. 52	30.27	44	
	9		ESE 10		30. 54	30.28	38	
						Total rain		1.23

Total of Rain from the firſt of January, 31.26 inches.